RadioShack®
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7 Channel SAME Weatheradio

Owner's Manual
Please read before using this equipment.

FCC DECLARATION OF CONFORMITY

This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Product:	7 Channel SAME Weatheradio
Model:	12-255
Responsible Party:	RadioShack 100 Throckmorton Fort Worth, TX 76102
Phone:	817-415-3200

THE FCC WANTS YOU TO KNOW

This Weatheradio complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area.

However, your Weatheradio might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- reorient or relocate the receiving antenna
- increase the distance between the Weatheradio and the radio or TV
- use outlets on different electrical circuits for the Weatheradio and the radio or TV
- consult your local RadioShack store if the problem still exists.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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❒ Introduction

Your RadioShack 7 Channel SAME Weatheradio represents the latest generation of weather alert technology. Your Weatheradio uses SAME (Specific Area Message Encoding) circuitry to provide complete information about weather conditions in your immediate area, so you are not bothered by alerts that do not affect you. Your Weatheradio includes an indoor thermometer, wireless outdoor thermometer and digital clock.

SAME Operation — lets you program up to 15 FIPS (Federal Information Processing System) codes into the Weatheradio's memory, so alerts only sound when a weather emergency is declared in those specific locations.

Missed Alert Reminder — sounds a tone every 10 seconds while an alert is active, to prevent you from missing an alert.

Alert Status Indicators — help you determine at a glance the type of alert the Weatheradio is receiving.

Traditional weather radios simply receive the National Oceanic and Atmospheric Administration (NOAA) weather broadcast (usually within a 50-mile radius), then sound an alarm if any emergency code was transmitted along with the broadcast. This means that people outside an affected area are often alerted even though their area is not affected, causing some to ignore weather warnings that apply to their area.

In 1994, NOAA began broadcasting signals called FIPS (Federal Information Processing System) codes along with their standard weather broadcasts. These codes identify the type of emergency and the specific geographic area (such as a county) affected by the emergency. Your Weatheradio receives, interprets, and displays information about the codes, so you can determine if the emergency might affect your area. Only SAME-compatible weather radios are able to take advantage of this new technology.

Each FIPS code identifies a specific geographic area defined by the National Weather Service (NWS), so your Weatheradio sounds an alert only when a weather emergency is declared in that area. This helps you more efficiently track the weather conditions in and around your area.

WEATHER ALERTS

When the Weatheradio receives a weather alert:

- it sounds an alert (siren or beep)
- it displays a description of the alert and the alert duration
- an indicator lights

Note: If the Weatheradio receives more than one weather alert at the same time, it displays information for each alert in sequence.

The alert descriptions your Weatheradio can display are based on a list of specific weather alert types published by the NWS. For a list of all the alert descriptions that your Weatheradio can display, see “NWS Weather Alert Descriptions” on Page 6.

Warning: The NWS uses sophisticated weather models to determine an alert’s effective time. However, the end of an alert does not necessarily mean that the related weather emergency is over.

Locking Out Undefined Weather Descriptions

The NWS might occasionally broadcast several types of weather information intended for commercial or other non-private use. This information could include, for example, message intended for automated weather services (such as those used by radio or TV stations). Your Weatheradio’s memory does not contain a specific, corresponding description for the signals related to these commercial weather types.

Additionally, your Weatheradio is designed to recognize all common weather alert types currently used by the NWS. However, the NWS occasionally creates and broadcasts new alert types (for which the Weatheradio’s memory does not contain a specific, corresponding description). If your Weatheradio receives a signal for a new alert type, it is preset (if the alert function is turned on) to display *UNKNOWN* and the alert description (*EMERGENCY*, *STATEMENT*, *WARNING* or *WATCH*) then sound an alert siren.

Depending on your preference, you can follow these steps to change the way the Weatheradio responds to new weather alert broadcasts.

1. Turn off the Weatheradio by unplugging the AC adapter from the AC outlet and disconnecting the 9V battery.
2. Slide off the control panel cover to the right of the display.
3. While holding down **WEATHER** for about 2 seconds, turn on the Weatheradio by plugging the AC adapter back into the AC outlet. *USER SETUP* appears.

4. Press **MENU** to reset all the setting to default. *DEFAULT ON* then *USER SETUP* appears.
5. Turn off the Weatheradio.

NWS Weather Alert Descriptions

Your Weatheradio can display these NWS weather alert descriptions. For easy reference, this list also shows the type of alert (siren or beep) that sounds during each alert.

Weather/Alert Description	Display	Sound
Avalanche Warning	*AVALANCHE WARNING*	Siren
Avalanche Watch	*AVALANCHE WATCH*	Siren
Blizzard Warning	*BLIZZARD WARNING*	Siren
Civil Danger Warning	*CIVIL DANGER WARNING*	Siren
Civil Danger Watch	*CIVIL DANGER WATCH*	Siren
Civil Emergency	*CIVIL EMERGENCY*	Siren
Coastal Flood Warning	*COASTAL FLOOD WARNING*	Siren
Coastal Flood Watch	*COASTAL FLOOD WATCH*	Siren
Emergency Action Warning	*EMERGENCY ACTION WARNING*	Siren
Emergency Action Termination	*EMERGENCY ACTION TERMINATION*	Beep
Evacuate Immediately	*EVACUATE IMMEDIATELY*	Siren
Fire Warning	*FIRE WARNING*	Siren
Flash Flood Statement	*FLASH FLOOD*	Beep
Flash Flood Warning	*FLASH FLOOD WARNING*	Siren
Flash Flood Watch	*FLASH FLOOD WATCH*	Siren
Flood Statement	*FLOOD STATEMENT*	Beep
Flood Warning	*FLOOD WARNING*	Siren
Flood Watch	*FLOOD WATCH*	Siren
Hazardous Material Warning	*HAZARD MATERIAL WARNING*	Siren
Hazardous Material Watch	*HAZARD MATERIAL WATCH*	Siren
High Wind Warning	*HIGH WIND WARNING*	Siren
High Wind Watch	*HIGH WIND WATCH*	Siren
Hurricane Statement	*HURRICANE STATEMENT*	Beep

Weather/Alert Description	Display	Sound
Hurricane Warning	HURRICANE WARNING	Siren
Hurricane Watch	HURRICANE WATCH	Siren
Immediate Evacuation Warning	IMMEDIATE EVACUATION WARNING	Siren
Law Enforcement Warning	LAW ENFORCEMENT WARNING	Siren
Local Area Emergency	LOCAL AREA EMERGENCY	Siren
National Hazard Warning	NATIONAL HAZARD WARNING	Siren
National Information Center	NATIONAL INFORMATION CENTER	Siren
National Periodic Test	NATIONAL PERIODIC TEST	Beep
Practice/Demo	DEMO MESSAGE	None
Radiological Hazard Warning	RADIOLOGICAL HAZARD WARNING	Siren
Radiological Hazard Watch	RADIOLOGICAL HAZARD WATCH	Siren
Required Monthly Test	MONTHLY TEST	Beep
Required Weekly Test	WEEKLY TEST	Beep
Severe Thunderstorm Warning	SEVERE THUNDERSTORM WARNING	Siren
Severe Thunderstorm Watch	SEVERE THUNDERSTORM WATCH	Siren
Severe Weather Statement	SEVERE WEATHER STATEMENT	Beep
Shelter In-Place Warning	SHELTER IN-PLACE WARNING	Siren
Special Marine Warning	SPECIAL MARINE WARNING	Siren
Special Weather Statement	SPECIAL WEATHER STATEMENT	Beep
Tornado Warning	TORNADO WARNING	Siren
Tornado Watch	TORNADO WATCH	Siren
Tsunami Warning	TSUNAMI WARNING	Siren
Tsunami Watch	TSUNAMI WATCH	Siren
Volcano Warning	VOLCANO WARNING	Siren
Volcano Watch	VOLCANO WATCH	Siren
Winter Storm Warning	WINTER STORM WARNING	Siren
Winter Storm Watch	WINTER STORM WATCH	Siren
Unrecognizable PIL ending with S	UNKNOWN STATEMENT	Siren
Unrecognizable PIL ending with E	UNKNOWN EMERGENCY	Siren
Unrecognizable PIL ending with A	UNKNOWN WATCH	Siren
Unrecognizable PIL ending with W	UNKNOWN WARNING	Siren

Note: If the Weatheradio displays a warning (emergency) alert message, the WARNING indicator lights. If the Weatheradio displays a Watch alert message, the WATCH indicator lights. If the Weatheradio displays a Statement alert message, the STATEMENT indicator lights.

UNDERSTANDING THE FIPS CODES

For the purpose of broadcasting weather information, the NWS has divided the United States into regions by state and county (or parish, where applicable) then assigned a 6-digit FIPS code to identify each county or parish. For example, the code for Tarrant County, Texas, is 048439.

The first digit in a FIPS code identifies the county subdivision, the next two digits identify the state, and the last three digits identify the county or parish.

Note: Most FIPS codes begin with 0, which means the code represents an entire county. The NWS, however, plans to eventually subdivide some large counties. When that happens, each subdivision will be assigned a digit from 1–9, resulting in codes such as 148439, 248439, and so on.

Your Weatheradio can receive all SAME alert signals broadcast within about a 50 mile radius. To receive SAME alerts and broadcasts about weather occurring only in particular counties within that area, you can program up to 15 FIPS codes into the Weatheradio's memory. This lets you avoid hearing an alert that applies to an area within a 50 mile radius but not necessarily to your county or parish.

Obtaining Your Area's FIPS Code(s)

To obtain the necessary FIPS codes, contact your local RadioShack store or call the NWS toll free at **1-888-NWR-SAME** (**1-888-697-7263**).

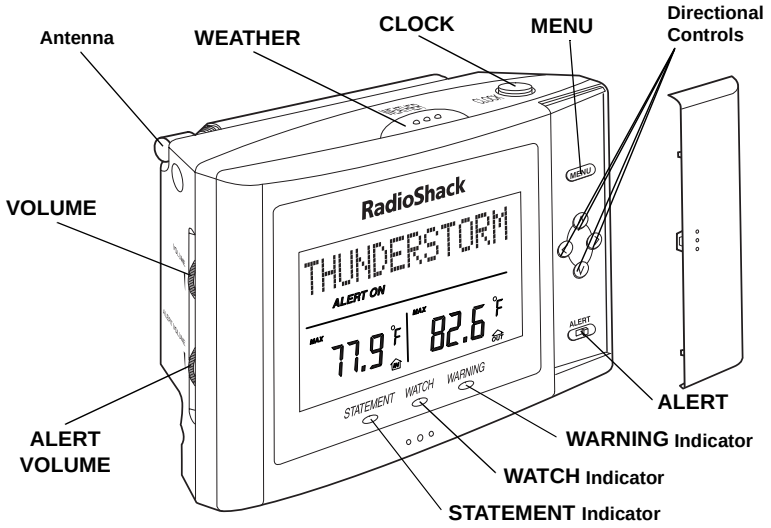
You can also visit the NWS website:

www.nws.noaa.gov/nwr/

Note: If you are close to a county or parish line, you might want to obtain the codes for the nearby counties or parishes.

Hint: Since you can program up to 15 FIPS codes into the Weatheradio's memory, you might want to obtain the codes for other local areas that you frequently travel through (as long as those areas are within a 50 mile radius of your location and within an area covered by your local NWS broadcast station). That way, you can program those codes into the Weatheradio and receive broadcasts covering those locations, too.

❒ *A Quick Look at Your Weatheradio*



❒ *Preparation*

CONNECTING POWER

Your Weatheradio uses the supplied AC adapter for normal operation, and one 9V battery (not supplied) for backup power when AC power fails or is temporarily disconnected. The remote sensor uses three AA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not use rechargeable batteries in your Weatheradio or remote sensor.
- Never leave dead or weak batteries in the radio or the remote sensor. Batteries can leak chemicals that can destroy electronic parts.

- Dispose of batteries promptly and properly; do not bury or burn them.

Notes:

- Always connect the Weatheradio to AC power for normal use.
- If the backup battery becomes weak, your Weatheradio might not sound a tone when an emergency or test alert is broadcast. Test your radio's reception periodically, and replace the battery if the tone does not sound.

Connecting the Weatheradio to AC Power

1. Insert the supplied AC adapter's barrel plug into the **DC 9V** + ⊣◦⊢ − jack on the back of the Weatheradio.
2. Route the adapter's cord through the strain relief slot at the bottom of the Weatheradio.
3. Plug the adapter into a standard AC outlet.

Installing the Weatheradio's Backup Battery

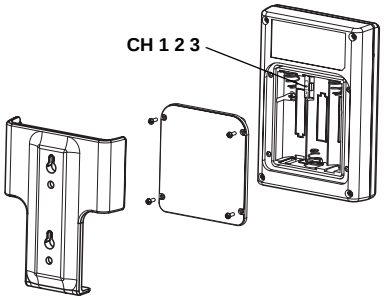
1. Press down on the battery compartment cover, then slide it off.
2. Snap a 9V battery onto the battery terminals inside the compartment, then place the battery inside the compartment.
3. Replace the cover.

Notes:

- When ▭ (indoor battery low icon) flashes, replace the battery.
- The Weatheradio's backlight lights for about 10 seconds each time you press a key, or until the alert's effective time expires when an alert message is received.

Installing the Remote Sensor's Batteries

1. Remove the attached mounting bracket.
2. Loosen the screws on the battery compartment cover and remove the cover.



3. Set the channel switch inside the battery compartment to **CH 1**, **2**, or **3**.

4. Install three AA batteries as indicated by the polarity symbols (+ and –) marked inside the compartment.

5. Replace the cover and secure it with the screws.

Notes:

- At temperatures below –4 °F (–20 °C), we suggest using RadioShack lithium batteries in the remote sensor.
- If flashes in the remote sensor information area of the Weatheradio's display, and the battery indicator on the remote sensor flashes twice in 30 seconds, replace the batteries.
- The remote sensor sends data to the Weatheradio once when the batteries are installed, and every 30 seconds after that.

SETTING THE CLOCK

1. Press **MENU**. When *TEMPERATURE* appears, repeatedly press ∧ or ∨ until *SET CLOCK* appears.

2. Press **>** to set the time. The hour digits flash.

3. Repeatedly press (or hold down) ∧ or ∨ to set the hour.

4. Press **>**. The minute digits flash. Repeatedly press (or hold down) ∧ or ∨ to set the minutes.

5. Press **>**. *AM* or *PM* appears. Press ∧ or ∨ to select AM or PM.

6. Press **>**. A beep sounds.

7. Press **MENU** to return to the clock display.

When there is no alert displayed, the time continuously appears. When an alert appears in the display, press **CLOCK** to view the time for 10 seconds.

CHOOSING LOCATIONS

Caution: Do not place the Weatheradio or remote sensor where they will be in direct sunlight, near electrical appliances, or heating/air conditioning vents.

You can set your Weatheradio on any flat surface (such as a shelf or counter top). For the best reception, choose a location where:

- it can receive alert signals
- you can hear its alert tone (see "Setting the Alert Volume" on Page 18)
- you can fully extend the built-in antenna

Note: Position the Weatheradio away from obstructions such as metal cabinets or bookshelves. Do not place the Weatheradio near any metal surface such as a refrigerator, a

metal door or wall, or a water pipe hidden behind a wall.

Choose a location for the remote sensor that is within 20–30 yards of the Weatheradio, either indoors or outdoors. The construction of your home or office might affect the transmission range between the Weatheradio and the remote sensor. If you have a choice of several locations, try each to see which provides the best performance.

Note: The remote sensor is resistant to water damage. However, it is not waterproof and should not be submerged in water or put directly in front of shower spray.

Each time you install batteries in the remote sensor, it sends data and its indicator flashes once so you can check its transmission range. See "Setting the Remote Channel" on Page 16.

Mounting the Remote Sensor

You can mount the remote sensor on a wall using two 1/8 inch (3 mm) screws (not supplied) with heads that fit into the keyhole slots on the back of the supplied mounting bracket.

1. Drill two holes 1 3/4 inches apart. Thread a screw into each hole and let the heads extend about 1/4 inch from the mounting surface.
2. Align the keyhole slots on the mounting bracket with the screws and slide the bracket downward to secure it.
3. Slide the remote sensor into the mounting bracket.

PROGRAMMING THE WEATHERADIO

While programming your Weatheradio, you can select a weather frequency, turn the Missed Alert Reminder on or off, and specify the geographical areas for which you receive alerts.

Your Weatheradio is pre-programmed with the seven NOAA broadcast frequencies (channels 1–7). Depending on your location, you might need to select a different channel.

Your Weatheradio is preset to receive any weather alert broadcast within its reception range (about a 50 mile radius in most locations). The first time you use your Weatheradio, it automatically scans the strongest channel and receives all SAME alert signals broadcast within a 50 mile radius of its location.

Notes:

- The Weatheradio does not receive alert signals while it is being programmed.

- If you do not press a key for 45 seconds, the Weatheradio stores all valid entries and exits the programming mode.
- If you make an invalid entry, an error tone sounds.
- If you press **MENU** during programming, the Weatheradio stores all valid entries (except the clock settings) and exits the programming mode.

During the programming sequence, except where otherwise noted, press **<** to return to the previous menu.

1. Connect the Weatheradio to AC power.
2. Press **MENU**.
3. Repeatedly press ∧ or ∨ until **WEATHERRADIO** appears.
4. Press **>**. **SELECT CH** appears.
5. Press **>** to enter channel setup. Press ∧ or ∨ to select **AUTO** or **MANUAL** channel setup.

   Note: If you receive a NOAA broadcast on more than one channel, the one with the best reception might not be the one broadcasting information for your location. Contact your local RadioShack store or the NWS to find out which frequency NOAA is using to broadcast for information regarding your location, then select that channel.

   Automatic Channel Setup:

   When **AUTO** appears, press **>**. **CHANNEL**, **SEARCHING...** appears.

   If there is an available channel, **CHANNEL X** and **AVAILABLE** appear, indicating the channel is saved in memory. Then **AUTO** appears and the Weatheradio beeps.

   If there is no available channel, **NO CHANNEL**, **AVAILABLE**, **BACK TO** and **CHANNEL X** (the preset channel) appear. Then **AUTO** appears and the Weatheradio beeps.

   Press **<** to exit. **SELECT CH** reappears. Proceed to step 6.

   Manual Channel Setup:

   When **MANUAL** appears, press **>**. The preset channel appears. Repeatedly press ∧ or ∨ until the desired channel appears.

   Press **>** to confirm your selection. A beep sounds and **CHL X SELECT** (the new selected channel) appears. Then **SELECT CH** reappears.
6. Repeatedly press ∧ or ∨ until **REMINDER** appears. Press **>** to reset the Missed Alert Reminder setting (on or off). **REMINDER ON** or **REMINDER OFF** appears.

7. Press ∧ or ∨ to toggle between **REMINDER ON** (beep on) and **REMINDER OFF** (beep off), then press > to confirm. A beep sounds and **REMINDER** appears.

   Note: If you enable the Missed Alert Reminder beep, the tone sounds every 10 seconds after the broadcast ends until the alert time expires.

8. Press ∧ or ∨ until **RESPONSE LOC** appears, then press >. Press ∧ or ∨ to toggle between **SINGLE LOC**, **MULTIPLE LOC** and **ALL LOCATION**.

   SINGLE LOC: The Weatheradio receives a SAME alert signal for one FIPS code stored in the radio's memory location 1.

   MULTIPLE LOC: The Weatheradio receives SAME alert signals for up to 15 FIPS codes stored in the radio's memory.

   Note: When you choose **MULTIPLE LOC** or **SINGLE LOC**, **LOC1 000000** appears.

   ALL LOCATION: The Weatheradio receives all SAME alert signals broadcast within about a 50-mile radius.

   Note: When **ALL LOCATION** appears, press > to select ALL LOCATION mode. Then skip to Step 14.

9. If you selected **MULTIPLE LOC**, press ∧ or ∨ to scroll through the 15 location codes.

10. Press > to edit a location code. The first digit of the code flashes.

11. Press < or > to move the cursor backwards or forwards, and ∧ or ∨ to select a digit.

    Note: When you hold down < for one second, all entries are cleared and the cursor returns to the first digit.

12. Press > to confirm the setting (and move to the next location code, if you selected **MULTIPLE LOC**). A beep sounds.

13. Repeat Steps 9 – 12 (if you selected **MULTIPLE LOC**) to enter up to 15 FIPS codes in memory. Press < to return to the previous menu.

14. Press **MENU**. The Weatheradio stores all valid entries and exits programming.

TESTING THE WEATHERADIO

In the United States, the NWS broadcasts a test alert every week on Wednesday between 11 AM and 1 PM. To find out the specific test schedule in your area, contact your local NOAA or NWS office. These offices are usually listed in the

telephone book under “US Government, Department of Commerce.”

Important: Clear reception of a weather broadcast signal does not guarantee that an emergency alert will trigger your Weatheradio’s alert function. Be sure you choose the proper location for the Weatheradio and regularly check the Weatheradio to be sure it is operating properly.

Manually Testing the Alert Tone

1. Unplug the AC adapter from the AC outlet and disconnect the 9V battery.
2. Hold down **WEATHER** and turn on the power by plugging the AC adapter back into the AC outlet. USER SETUP appears.
3. Press ∧ or ∨ to choose BEEP ON or SIREN ON. The Weatheradio sounds the corresponding alert tone.
4. Press > to silence the tone.
5. Press **MENU** to clear the Weatheradio’s memory and restore the factory settings. DEFAULT ON appears, then USER SETUP appears.
6. Unplug the AC adapter to exit.

Test or Demo Alerts

The NWS sends out daily and weekly test signals you can use to confirm that your Weatheradio is working properly. To find out the specific test schedule in your area, contact your local NOAA or NWS office.

When the Weatheradio’s alert function is turned on and the Weatheradio receives a test broadcast for a programmed FIPS code, it responds in one of these ways:

NWS Alert Type	Display	Alert
Demo Message	DEMO MESSAGE	None
Required Weekly SAME test	WEEKLY TEST	Beep
Required Monthly SAME Test	MONTHLY TEST	Beep

PROGRAMMING THE TEMPERATURE SENSOR

Paired with the remote sensor, your Weatheradio registers temperatures indoors and outdoors. When you set the Weatheradio and the remote sensor to the same channel (1–3), your Weatheradio displays the current temperatures for the selected sensor. You can view the minimum and maximum temperatures and display the temperature in °C or °F.

1. While the clock appears, press **MENU**. TEMPERATURE appears. Press >.

2. Press ∧ or ∨ to select INDOOR, OUTDOOR, °C/°F, or REMOTE CHANNEL. Then press >.

Resetting Indoor/Outdoor

In INDOOR mode, you can reset the minimum and maximum temperatures for the Weatheradio's location. In OUTDOOR mode, you can reset the minimum and maximum temperatures for the remote sensor's location.

1. When RESET MAX appears and MAX and (INDOOR icon) or (OUTDOOR icon) flash, press > to reset the maximum temperature. A beep sounds and the maximum temperature resets to --.- °C or °F.

2. Press ∧ or ∨ until RESET MIN appears. MIN and or flash.

3. Press > to reset the minimum temperature. A beep sounds and the minimum temperature resets to --.- °C or °F.

4. Press < twice. TEMPERATURE appears.

Setting °C/°F

1. When °C/°F appears, press >. °C appears.

2. Press ∧ or ∨ to select the °C or °F format, then press >. Both indoor and outdoor temperatures appear in the selected format, and a beep sounds.

Setting the Remote Channel

For the remote sensor to operate, both the sensor and the Weatheradio must be set to the same channel. If the Weatheradio does not display the remote temperature after about 2 minutes while the remote sensor is off (--.- appears), that channel is free for use. If a remote temperature appears while the sensor is off, there is interference on that channel. To clear the interference, set the sensor and the Weatheradio to a different channel.

1. When REMOTE then CHANNEL appears, press >.

   Note: REMOTE and CHANNEL do not appear at the same time.

2. Press ∧ or ∨ on the Weatheradio to select the same channel that is set on the remote sensor (see "Installing the Remote Sensor's Batteries" on Page 10).

3. Press > when the desired channel appears. A beep sounds.

VIEWING THE TEMPERATURE DISPLAY

The remote sensor sends temperature data to the Weatheradio every 30 seconds. The Weatheradio's internal sensor updates the indoor temperature every 10 seconds.

Note: If the Weatheradio loses power, all stored temperatures are lost.

Press ∧ or ∨ to view the maximum or minimum, indoor and outdoor temperatures for 10 seconds.

❒ *Operation*

To turn on the Weatheradio, insert the supplied AC adapter's barrel plug into the **DC 9V** +⊖− jack on the back of the Weatheradio, then plug the adapter into a standard AC outlet.

Notes:

- If no signal is received from the remote sensor for about 2 minutes after power is connected, **--.-** appears. Be sure the sensor's batteries are properly installed, the sensor is within range of the Weatheradio, and the sensor and the Weatheradio are set to the same channel.
- If the clock is not set or a weather alert has not been received, **--:-- AM** flashes in the center of the display.
- If a weather alert has been received, an alert message appears instead of the time.

To turn the Weatheradio off, unplug the AC adapter from the AC outlet.

LISTENING TO A WEATHER BROADCAST

To listen to a weather broadcast, press **WEATHER**, then adjust **VOLUME** to the desired listening level. To turn off the weather broadcast, press **WEATHER** again.

USING THE ALERT FUNCTION

To set the Weatheradio to sound an alert when the NWS broadcasts a warning, watch, or statement, set **ALERT ON/OFF** to **ALERT ON**. A beep sounds and **ALERT ON** appears.

Notes:

- If you programmed more than one FIPS code into memory, be sure the Weatheradio is set to

MULTIPLE LOC or ALL LOCATION mode. Otherwise, the Weatheradio only receives broadcasts for the FIPS code you stored in the first memory position.

- If severe weather threatens, do not wait for an alert tone. Turn on the weather broadcast and monitor the weather information.

To set the Weatheradio so it does not sound an alert, set the **ALERT ON/OFF** switch to **ALERT OFF**. Two beeps sound and ALERT OFF appears.

Setting the Alert Volume

To set your Weatheradio's alert volume, turn on the alert tone, then rotate **ALERT VOLUME** clockwise to increase (or counterclockwise to decrease) the volume.

Note: We recommend you set the alert volume to the highest volume setting, then decrease it as needed.

Changing/Checking the Alert Pattern

You can set the Weatheradio to respond to an NWS alert broadcast in one of two ways.

Voice — the Weatheradio sounds an alert for about 8 seconds, then automatically turns on the weather (voice) broadcast for 5 minutes. It also displays the alert description (such as TORNADO WARNING) until the alert's effective time received as part of the NWS broadcast code expires. An alert could be in effect for several hours.

Tone — the Weatheradio sounds an alert for 5 minutes and displays an alert description until the alert's effective time expires. To turn off the alert sooner, press **WEATHER**. The NWS broadcast turns on.

The Weatheradio automatically selects Tone the first time you turn it on. To change the alert pattern (or check which pattern is currently selected):

1. While the clock appears, press **MENU** then ∧ or ∨ until WEATHERRADIO appears. Then press >.
2. Press ∧ or ∨ until ALERT MODE appears. Then press >. The currently selected alert pattern (TONE or VOICE) appears.
3. To select the other pattern, press ∧ or ∨ so that pattern (TONE or VOICE) appears.
4. Press > again to store your selection, then press **MENU**.

Enabling/Disabling Alert Tones

You can turn on or off some types of alert tones received by your Weatheradio. For example, you can turn off the alert tone for a volcano warning if you do not live near a volcano.

Note: The Weatheradio still detects and displays the information even after you disable the tone for those alerts.

You can set the Weatheradio so it does not sound an alert tone during these types of alerts:

Warnings	
Avalanche	Blizzard
Flash Flood	Volcano
Winter Storm	Coastal Flood
Flood	High Wind
Special Marine	

Watches	
Flash Flood	Coastal Flood
Flood	Avalanche
Volcano	Winter Storm
High Wind	Hurricane
Severe Thunderstorm	

Statements	
Flood	Severe Weather
Special Weather	Flash Flood
Hurricane	Unknown

Other	
Required Monthly Test	Practice/Demo

1. To enable or disable alert tones, while the clock appears, press **MENU** then ∧ or ∨ until WEATHERADIO appears. Then press >.

2. Repeatedly press ∧ or ∨ until TONE DEFEAT appears. Then press >.

3. Repeatedly press ∧ or ∨ until WARNING, TEST, STATEMENT, or WATCH appears.

   When WARNING appears, you can select:

   - AVALANCHE
   - BLIZZARD
   - COASTAL FLOOD
   - FLASH FLOOD
   - FLOOD
   - HIGH WIND
   - SPECIAL MARINE
   - VOLCANO
   - WINTER STORM

   When WATCH appears, you can select:

   - AVALANCHE
   - COASTAL FLOOD
   - FLASH FLOOD
   - FLOOD WATCH
   - HIGH WIND
   - HURRICANE
   - SEVERE THUNDERSTORM
   - VOLCANO
   - WINTER STORM

   When STATEMENT appears, you can select:

   - FLASH FLOOD
   - FLOOD

- HURRICANE
- SEVERE WEATHER
- SPECIAL WEATHER
- UNKNOWN

When **TEST** appears, you can select:

- DEMO MESSAGE
- MONTHLY TEST

Note: If you disable *DEMO MESSAGE*, no Demo message appears and no Demo alert sounds.

4. Press >. A beep sounds. Press ∧ or ∨ to select the alert.
5. For each desired alert, press >. **TONE ON** or **TONE OFF** appears.
6. Press ∧ or ∨ to toggle between **TONE ON** and **TONE OFF**, then press >. A beep sounds.
7. Press < to return to the previous menu category (**WARNING**, **TEST**, **STATEMENT**, or **WATCH**).
8. Once you have made all your selections for each alert type, press **MENU** to exit. The clock appears.

Reviewing Overlapping Alerts

Your Weatheradio can store up to three different alerts (with overlapping effective times) in its memory. If the Weatheradio receives a new alert while a previous alert is still in effect, it automatically displays the new alert description and sounds the corresponding tone.

Note: While an alert is in effect, the corresponding alert indicator lights.

1. Press > to review the next message or < to review the previous message.
2. Press > to display the received alerts in the order received. For example:

   1st Alert — **FLASH FLOOD WARNING**, effective for 3 hours 15 minutes. The red warning indicator lights.

1st message	FLASH FLOOD
2nd message	WARNING
3rd message	3Hr15Min
4th message	3 EVENTS
5th message	FLASH FLOOD

   2nd Alert — **HURRICANE WATCH**, effective for 15 minutes. The yellow watch indicator lights.

1st message	HURRICANE
2nd message	WATCH
3rd message	0Hr15Min
4th message	3 EVENTS

   3rd Alert — **SPECIAL WEATHER STATEMENT**, effective for 6 hours.

The green statement indicator lights.

1st message	SPECIAL
2nd message	WEATHER
3rd message	STATEMENT
4th message	6Hr00Min
5th message	3 EVENTS
6th message	SPECIAL

While reviewing warning messages, if you do not press **>** or **<** for 10 seconds, the display returns to the most recently displayed message.

❒ *Troubleshooting*

If your Weatheradio is not working as it should, these suggestions might help you eliminate the problem. If the Weatheradio still does not operate normally, take it to your local RadioShack store for assistance.

Problem	Suggestion
No power	Make sure the adapter is connected or the batteries are installed.
No sound	Adjust **VOLUME**.
Multiple FIPS codes are stored, but the Weatheradio only responds to weather alert broadcasts for one code.	Make sure the Weatheradio is set to MULTIPLE LOC. See “Programming the Weatheradio” on Page 12.
One or more FIPS codes are stored in memory, but the radio responds to weather alert broadcasts for areas not covered by those codes.	Make sure the Weatheradio’s ALL LOC mode is not set in memory. See “Programming the Weatheradio” on Page 12.
No weather broadcast when you press **WEATHER**.	Make sure the telescoping antenna is fully extended.
	Make sure the Weatheradio is set to the NOAA channel that is being broadcast in your area. See “Programming the Weatheradio” on Page 12.

Problem	Suggestion
The Weatheradio's continuous alert tone sounds intermittent or seems to warble.	The Weatheradio constantly monitors the channel you set it to, even while it is sounding a continuous alert. Each time the Weatheradio receives a signal on the channel, it pauses very briefly to compare the signal against those stored in its memory. If the Weatheradio pauses frequently (depending on how often it receives a signal), it might make the Weatheradio's continuous alert tone sound intermittent. This is not a malfunction.
The radio is not responding properly to NWS weather alert broadcasts.	Make sure you programmed the correct FIPS code(s) into the Weatheradio's memory. See "Programming the Weatheradio" on Page 12.
	Make sure **ALERT ON** appears. If not, set the **ALERT ON/ OFF** to **ALERT ON**.
	Make sure the Weatheradio is set to receive new alert types. See "Locking Out Undefined Weather Descriptions" on Page 5.
CHECK OPERATION appears.	The Weatheradio has not received any type of SAME alert signal (include test or demo signals) for about one week.
	Make sure the FIPS code(s) stored in memory are correct. See "Obtaining Your Area's FIPS Code(s)" on Page 8.
	Make sure the telescoping antenna is fully extended.

CARE

Keep the Weatheradio dry; if it gets wet, wipe it dry immediately. Use and store the Weatheradio only in normal temperature environments. Handle the Weatheradio carefully; do not drop it. Keep the Weatheradio away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the Weatheradio's internal components can cause a malfunction, might invalidate its warranty, and void your FCC authorization to operate it. If your Weatheradio is not performing as it should, take it to your local RadioShack store for assistance. If the trouble is affecting the telephone lines, the phone company can ask you to disconnect your Weatheradio until you have resolved the problem.

❒ Specifications

Frequency Coverage

Channel 1 ..... 162.400 MHz
Channel 2 ..... 162.425 MHz
Channel 3 ..... 162.450 MHz
Channel 4 ..... 162.475 MHz
Channel 5 ..... 162.500 MHz
Channel 6 ..... 162.525 MHz
Channel 7 ..... 162.550 MHz

Receiving Sensitivity (at 12 dB SINAD) ..... 0.3 uV

FIPS Code Sensitivity @ ± 3 kHz Deviation / 90% Success Rate ..... 0.3 uV

Signal to Noise Ratio ..... 45 dB

Channel Selectivity ..... ±25 kHz, 45dB

Power Output by Adapter:
Maximum ..... 250 mW
At 10% THD 200mW

Clock Accuracy ..... 0.67 Second Per Day

Temperature Accuracy

Weatheradio:
–10 to 0°C ..... ±4
0 to 40°C ..... ±2
40 to 50°C ..... ±4

Remote Sensor:
–40 to –2°C ..... ±6
–20 to 0°C ..... ±4
0 to 40°C ..... ±2
40 to 50°C ..... ±4
50 to 70°C ..... ±6

Sample Cycle (Approximate)
Weatheradio ..... 10 Seconds
Remote Sensor ..... 30 Seconds

Power Supply for Weatheradio ..... DC 9V 300mA Adapter

Power Supply for Remote Sensor ..... 3 AA Batteries

Battery Back-up for Weatheradio ..... One 9-Volt Battery

Remote Sensor RF Transmission Frequency ..... 433.92 MHz

Remote Sensor Transmission Range ..... 100 Feet

Antenna ..... Telescoping Rod Antenna

Dimensions (HWD):
Weatheradio ..... $5\frac{1}{2} \times 4 \times 2\frac{9}{16}$ inches ($140 \times 101 \times 65$ mm)
Remote Sensor ..... $4 \times 2\frac{3}{4} \times \frac{15}{16}$ inches ($101.6 \times 70 \times 24$ mm)

Weight:
Main Unit ..... 12.7 oz (361 g)
Remote Sensor ..... 3.2 oz (92 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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